

AirLink 3G

Manual for how to upgrade, setup etc. your AirLink 3G

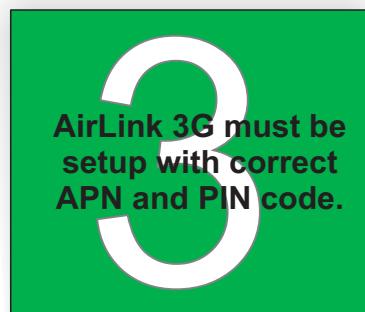
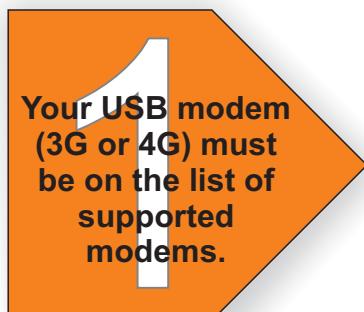
Page 2	Introduction
Page 3-5	Supported modem list
Page 6-9	How to upgrade firmware
Page 10 -11	How to setup AirLink 3G
Page 12	APN list
Page 13	Change IP address on AirLink 3G
Page 14	FAQ



Introduction

AirLink 3G is a wireless mobile router that support most of the 3G/4G USB modem on the marked. With AirLink 3G you can share the internet connection from an USB modem (3G/4G) on several devices via wireless or cable (port 1,2,3 or 4)

In order for the AirLink 3G to connect to mobile broadband (3G/4G) you have to follow this steps:

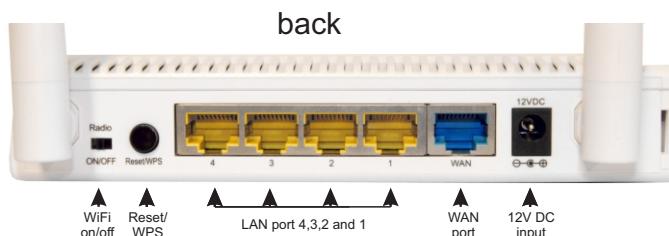
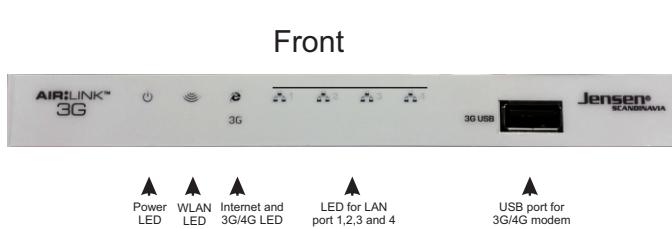


Page 3-5

Page 6-9

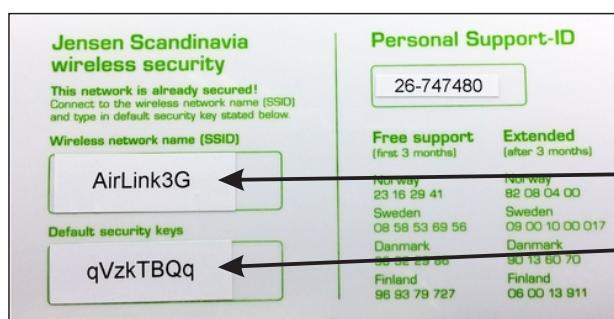
Page 10-11

LED and ports on your AirLink 3G



Information about your AirLink 3G

Default network name and encryption password are printed on the top and under the router.



Network name

Encryption password



How do I see the version number of my AirLink 3G?
AirLink 3G are made in 3 different versions.

Version 1 and 2 - serial number begins with AL3G....

Version 3 - serial number begins with AL3Gv3....

Supported modem list (page 1 of 3)**The following 3G/4G modems are supported by firmware 2.23a**

4G-systems XSStick®W12	Huawei E173S
4G-systems XSStick®W14	Huawei E1750
Alcatel X200	Huawei E176
Alltel (Pantech) UM150AL	Huawei E180
Alltel (Pantech) UM175AL	Huawei E180G
AMOI H01	Huawei E182E
Ando MH505UP	Huawei E219
Any Data Z020	Huawei E220
AnyDATA A2502	Huawei E226
AnyDATA ADU-310A	Huawei E270
AnyData ADU-520C	Huawei E272
AnyDATA ADU-635WA	Huawei E3131
ASUS T500	Huawei E3276 (4G)
Axesstel MV140A	Huawei E3372 (4G)
BandLuxe C100S	Huawei E3256
BandLuxe C120	Huawei E353
BandLuxe C170	Huawei E367
BandLuxe C270	Huawei E372
BandLuxe MBD-100HU	Huawei E392 (4G)
BC2703 CDMA 800 EVDO	Huawei E398 (4G)
CMotech CDU-550	Huawei E618
CMotech D-50	Huawei E620
Cooxoo ZX200	Huawei E626
Dhiraagu Touch Maldives	Huawei E630
D-Link DWM-156	Huawei E800
D-Link DWM-652	Huawei EC-1260
Emobilre D12LC	Huawei EC-1261
EU930	Huawei EC-169
FW2011-R-H3G	Huawei EC-228
FW2011-T (Mywave 29)	Huawei ET128
GAORAN CC130	Huawei K3770
Gold Space E800	Huawei K4505
Huawei E1550	Huawei K5005
Huawei E1552	KPT 3G/3.5G (WM61)
Huawei E156B	Kyocera KPC680 Express Card
Huawei E156G	LG L-02A
Huawei E160 (O2)	LG L-05A
Huawei E160E	Lightwave LW HSUPA
Huawei E160G	Maxon BP3
Huawei E169 Vodafone	Maxon BP3-Ext
Huawei E1692	Micromax MMX 300G
Huawei E169G	Nokia CS-10
Huawei E170	Nokia CS-15

Supported modem list (page 2 of 3)**The following 3G/4G modems are supported by firmware 2.23a**

Nokia CS-17	Sierra Wireless 960E
Nokia CS-18	Sierra Wireless C885
Nokia CS-19	Sierra Wireless C889
Nokia N82	Sierra Wireless Compass 597
Nokia 21 M-02	Sierra Wireless MC8790
Nokia 5800	SoftBank C01LC
Nokia 6110	SOFTBANK C02LC
Nokia N95	SONY MD300
Nokia N97	SONY MD400
Novatel MC760	Sprint 4G
Novatel MC950D	Telewell LTE 3G/4G modem
Novatel Merlin XU 870	T-mobile 110
Novatel Ovation 930D	T-mobile 530
Novatel U727	TP-LINK 3G - MA260
Onda MT503HSA	Touchcom TW600U
Option GI1515	UC126
Option Icon 210	UC928
Option icon 225	UC988
Option icon 401	V605U
Option icon 505	Vodafone K3520
Option icon XY	Vodafone K3565
Panda PT20	Vodafone K3565-Z
Prolink PHS100	Vodafone K3715
Promate EGO5	Vodafone K3765
Qisda H21 (Flying Beetle)	Vtion E1916
Quanta 3G MU-Q101	Willcom HX004IN
Quanta 3G Q110	Willcom WS002IN
Rilan EV8900U	ZTE AC2726
Rilan EV8900UL	ZTE AC2736
Shenzhen Crius 209	ZTE AC 560
Sierra 875U	ZTE AC 580
Sierra 880U	ZTE AC 581
Sierra Aircard 875	ZTE AC 8710
Sierra Aircard 880E	ZTE MF 100
Sierra Compass 597	ZTE MF 110
Sierra Compass 885U	ZTE MF 190
Sierra USB 306	ZTE MF 195E (#1)
Sierra USB 307	ZTE MF 622
Sierra USB 598	ZTE MF 626
Sierra Wireless 301	ZTE MF 627
Sierra Wireless 308	ZTE MF 628
Sierra Wireless 598U	ZTE MF 632
Sierra Wireless 888	ZTE MF 636

Supported modem list (page 3 of 3)

The following 3G/4G modems are supported by firmware 2.23a

ZTE MF 636DBZTE MF 637
ZTE MF 638
ZTE MF 651
ZTE MF 652
ZTE MF 656
ZTE MF 668
ZTE MF 680
ZTE MF820 LTE (4G)
ZTE MF820D LTE (4G)
ZTE MF821D LTE (4G) (#1)
ZTE MF823 LTE (4G) (#1)
ZTE MF880 LTE (4G)

#1
Some USB modems have a built-in WEB page which have the same IP addresss (192.168.0.1) as AirLink 3G. In order for this combination to work you need to change the IP address of your AirLink 3G to 192.168.2.1

Please see page 13 for how to do that.

The following modems are NOT supported by AirLink 3G:

Huawei E3531
Huawei E5372
Huawei E5372T
Huawei E5832
ZTE MF60
ZTE MF91D

If your USB modem are not in the list please make a debug report and send to us.

Based on this file we may be able (*) to add support for it.

* Not all types of USB modem can be added to AirLink 3G.

This is how you make a debug report:

1. Log into AirLink 3G WEB menu by enter <http://192.168.0.1/debug.asp> in your WEB browser.
2. Username = **admin** and password = **1234** (or your own password if you changed it)
3. Enter **report.txt** and click **Apply**.

4. Save this file to your computer and send it to us at support@jensenscandinavia.com with a short description.

How to upgrade firmware (page 1 of 4)

Firmware is the software program inside AirLink 3G that instructs how it should operate. Since new USB modems are added to the market all the time we need to make new firmware to make AirLink 3G able to communicate with them.

Step 1 - Download latest firmware file for your AirLink 3G version from [JensenScandinavia.com](http://jesenscandinavia.com/downloads)

Step 2 - Login to AirLink 3G and upgrade the firmware.

Step 1 - Download firmware file

1. Open your WEB browser and go to <http://jesenscandinavia.com/downloads>
2. Select **Jensen AirLink 3G** from the list and click **Show**
3. Download the firmware file to your AirLink 3G version by click the DOWNLOAD icon.

Which version do I have?

You can find the version of your AirLink 3G based on the beginning of the serial number.

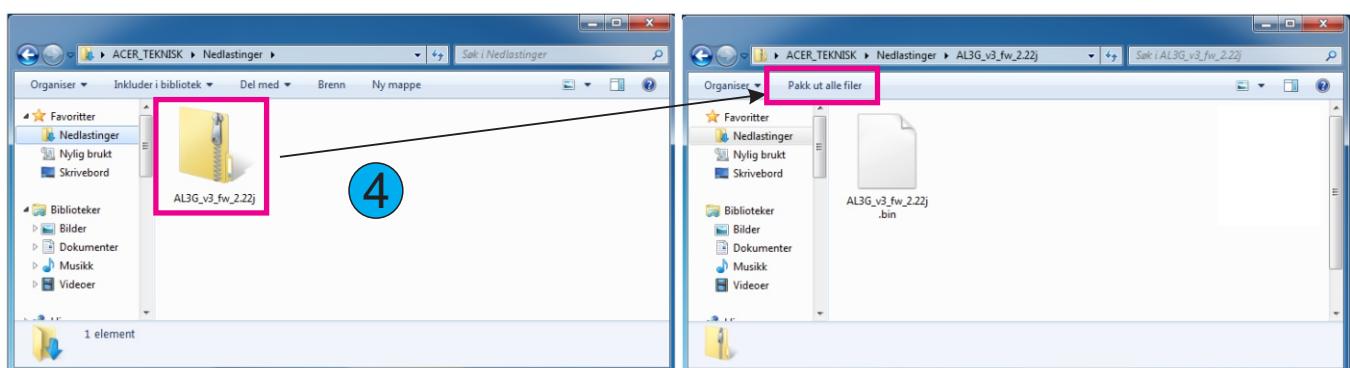
Versjon 1 = AL3G.....

Versjon 2 = AL3G.....

Versjon 3 = AL3Gv3...

4. Unzip the downloaded file by double-click it and then select «unzip all files»

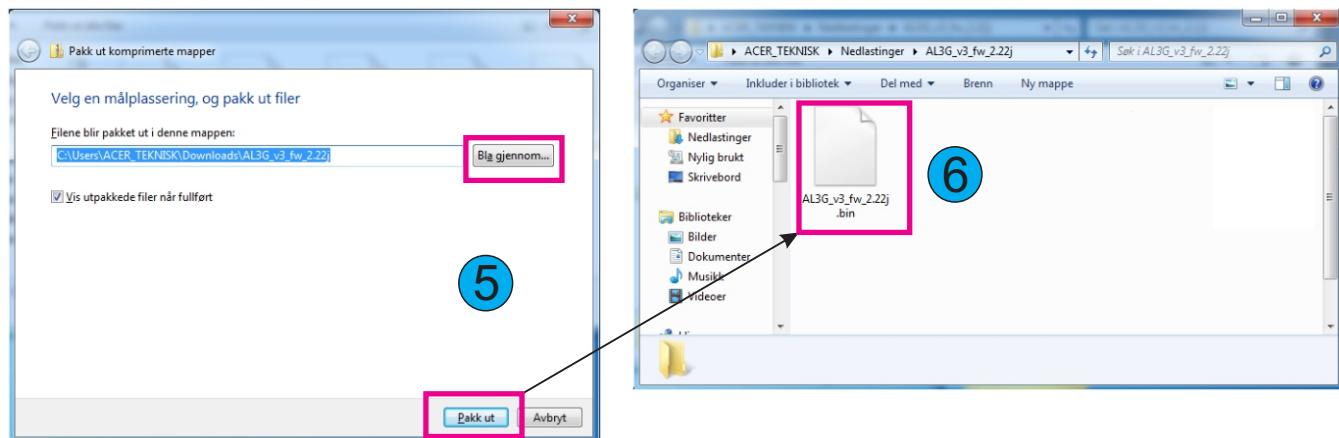
* If you have installed WinZip/WinRar or similar software the unzip process will be different.



How to upgrade firmware (page 2 of 4)

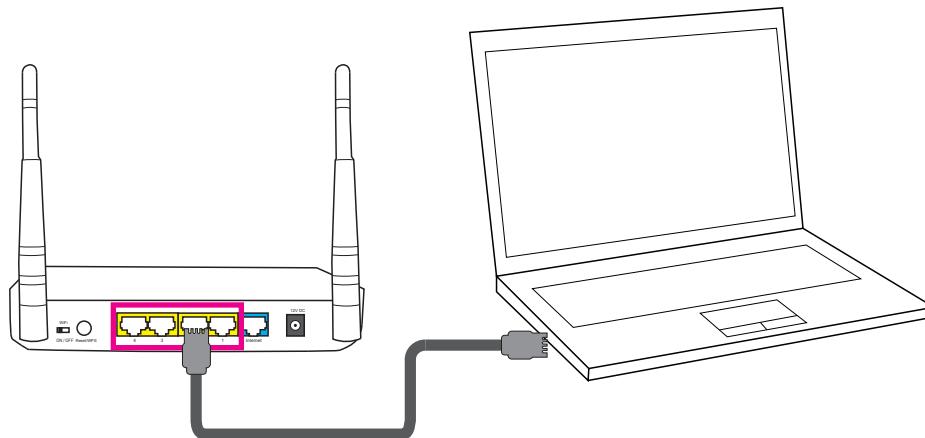
5. Select the folder where you want to unzip the file to and click Unzip.

6. The file are now unzipped.



Step 2 - Login to AirLink 3G and upgrade firmware

1. Connect your computer to AirLink 3G with a network cable to port 1,2,3 or 4.

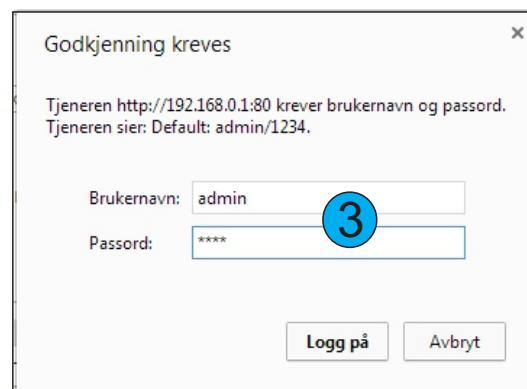
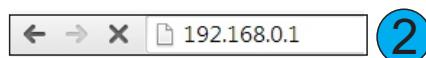


Important! Firmware upgrade DOES NOT work via wireless connection.

2. Log in to your AirLink 3G by entering <http://192.168.0.1> in your WEB browser (e.g. Chrome/Firefox)

3. Enter username and password.

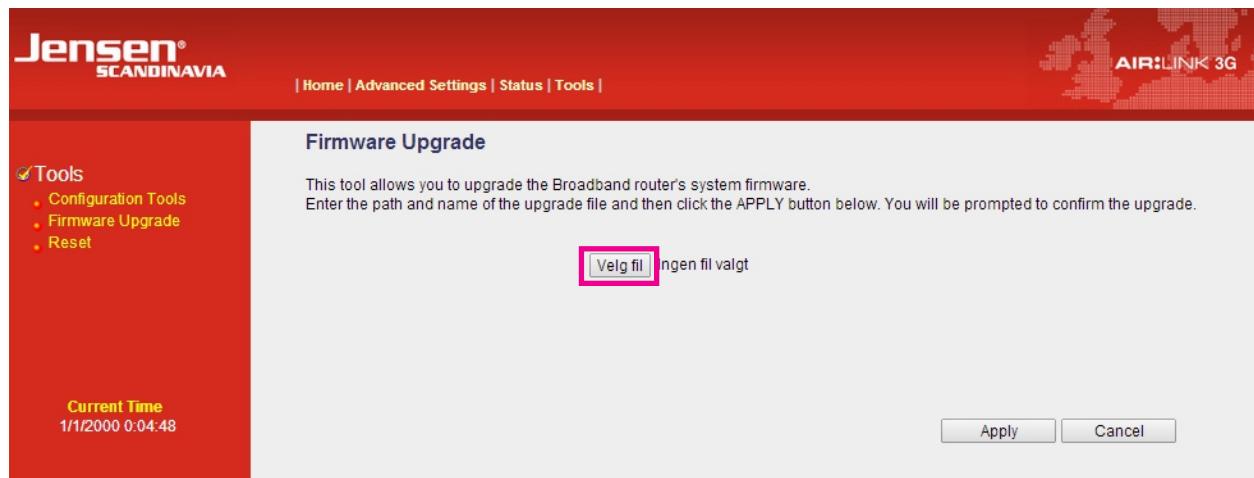
Username = **admin** and Password = **1234**



How to upgrade firmware (page 3 of 4)

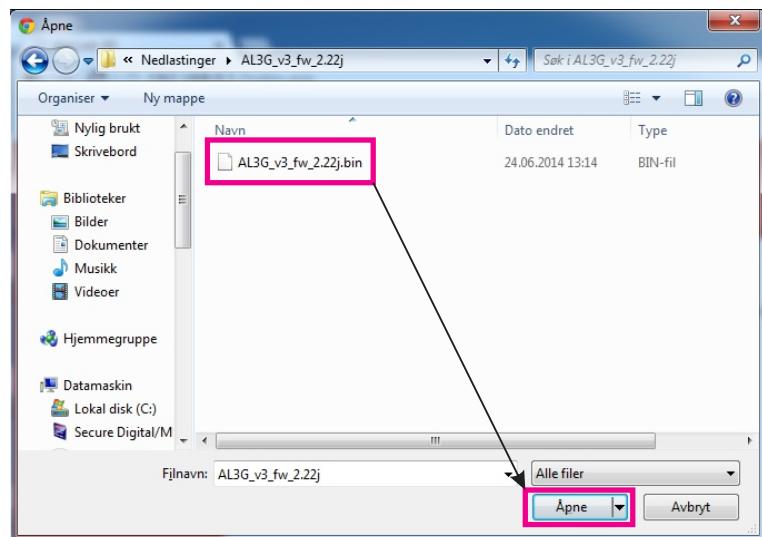
4. Click Tools -> Firmware Upgrade

5. Click **Select file/Browse**



6. Select the firmware file you unzipped earlier and click **Open/OK**.

The firmware file is a *.bin file (e.g. AL3G_v3_fw_2.22j.bin)



Invalid file format?

If you get the message «Invalid file format» when try to upgrade you have most likely picked the wrong firmware file. Please check that you have downloaded the firmware file for the correct version of AirLink 3G.

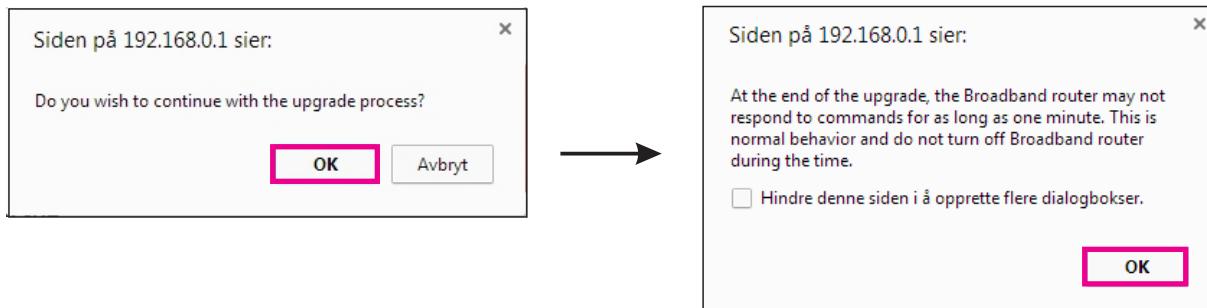
7. The file you selected are shown.

Click **Apply** to start the upgrade process.

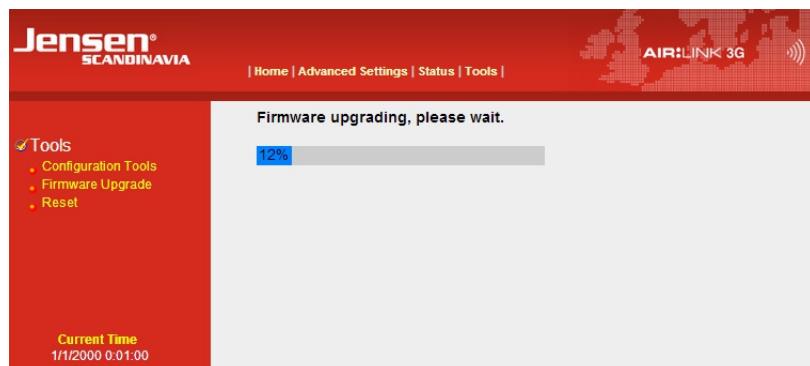


How to upgrade firmware (page 4 of 4)

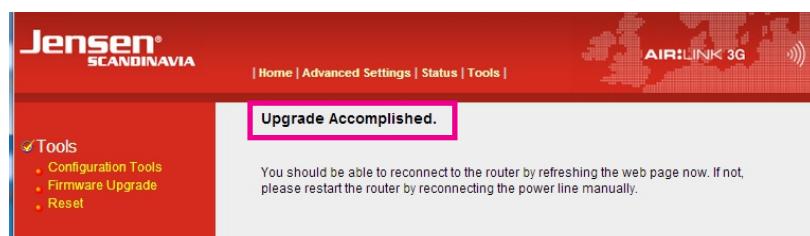
8. Click **OK** and then **OK**



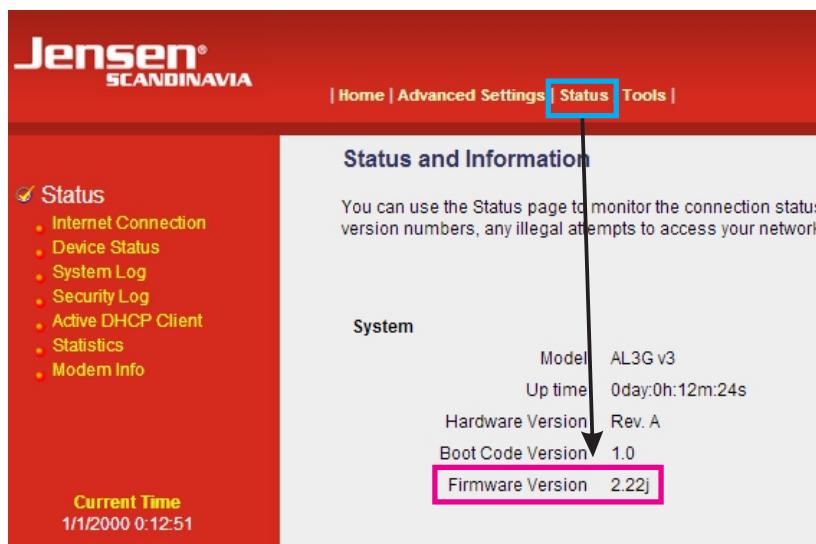
9. Please wait until the upgrade process is finished before proceeding with the next step.



10. When the upgrade is completed you will see this screen.



11. To check the installed firmware version you can click the **Status** button.



Your AirLink 3G are now upgraded and you can follow the setup on the next page.

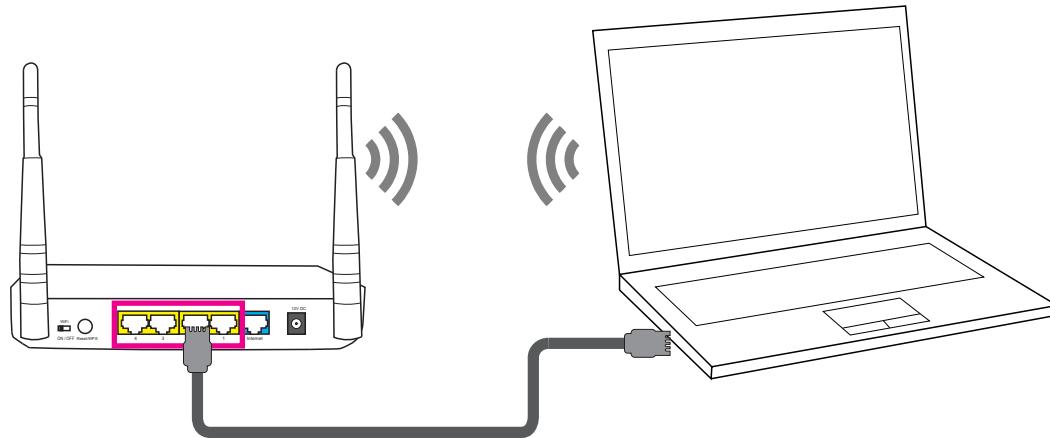
How to setup AirLink 3G (page 1 of 2)

In order for the AirLink 3G to be able to connect to internett you need to set it up with APN and PIN code.

1. Connect the USB modem (3G/4G) to to the USB port on AirLink 3G

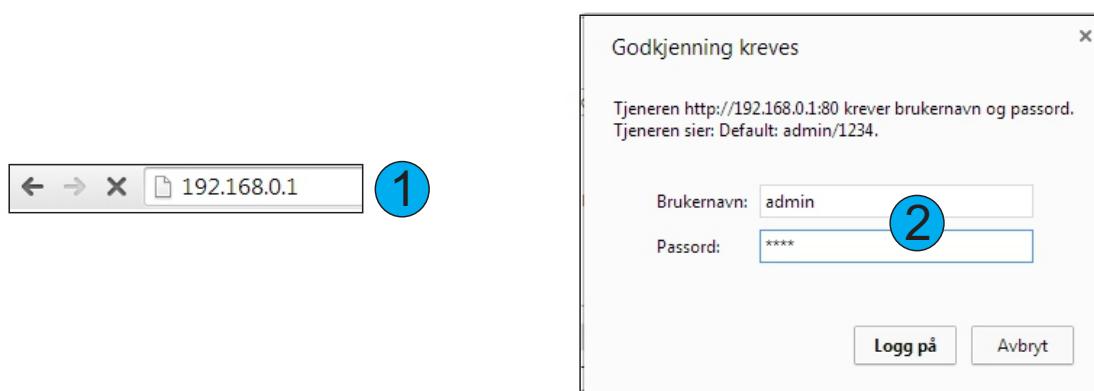


2. Make sure that your computer/device are connected to AirLink 3G by wireless or cable (port 1,2,3 or 4)



3. Log into the AirLink 3G ny entering **http://192.168.0.1** in your WEB browser (e.g. Chrome/Firefox)

4. Username = admin
Password = 1234



How to setup AirLink 3G (page 2 of 2)

5. Click Advanced Settings -> WAN -> 3G/4G

The screenshot shows the '3G/4G' configuration page. The left sidebar has 'WAN' selected. The main area shows fields for PIN Code (6), APN (7), and other parameters. The 'APPLY' button (8) is at the bottom right.

6. Enter the **PIN code** for the SIM card.

If the PIN code are deactivated/disabled you can leave this empty.

7. Enter the **APN** for your provider (Please see next page to find the correct APN)

Important! Do NOT enter any information in the Username and Password area.

8. Click **Apply** and then **Apply** one more time and wait for the router to reboot (about 60 seconds)

9. Click Status -> Modem info to see if AirLink 3G have detected the modem.

It can take up to one minute before the modem is shown, so please try click **Modem info** several times to update the screen.

The screenshot shows the 'Modem Info' page. The left sidebar has 'Modem Info' selected. The main area displays manufacturer details (ZTE Corporation, MF821D, IMEI: 861311010228913) and signal strength (77%).

This screen shows you information about the type of USB modem connected, IMEI and the signal strength.

10. Click Status -> Internet connection

This will show you the connection status for the USB modem (3G/4G)

Normaly it will take about 1-2 minutes before the modem is connected to the internet.

The screenshot shows the 'Internet Connection' page. The left sidebar has 'Internet Connection' selected. The main area shows 'WAN Status' (Dynamic IP disconnected) and '3G/4G Status' (WWAN Status: Disconnected, IP Address: N/A, Subnet Mask: N/A, Gateway: N/A).

The screenshot shows the 'Internet Connection' page after connection. The left sidebar has 'Internet Connection' selected. The main area shows 'WAN Status' (Dynamic IP disconnected) and '3G/4G Status' (WWAN Status: Connected (LTE), IP Address: 176.75.47.226, Subnet Mask: 255.255.255.255, Gateway: 10.64.64.68).

11. When the status is saying Connected then your AirLink 3G is connected to internet and ready for use.

APN list

Select your Internet provider from the list below.

If you cannot find your provider in this list, then please contact your provider to get the correct APN to use.



<u>Provider</u>	<u>APN</u>
Telenor	telenor
Telenor - public (*)	internet.public
Netcom	internet.netcom.no
Netcom (kun 4G)	netcom
Netcom - public (*)	vpn.netcom.no
Tele 2	mobileinternet.tele2.no
Ventelo	internet.ventelo.no
Chess	internet.netcom.no
Onecall	internet

(*) Gives the AirLink 3G a public IP address (without NAT)



<u>Provider</u>	<u>APN</u>
Telenor - Privat	internet.telenor.se
Telenor - Public (*)	Public.telenor.se
Telia	online.telia.se
Djuice	internet.djuice.se
Glocalnet	internet.glocalnet.se
Tele 2 (För 3G)	mobileinternet.tele2.se
Tele 2 (För 4G)	4g.tele2.se
3 bredband - Privat	bredband.tre.se
3 bredband - Public (*)	data.tre.se

(*) Gives the AirLink 3G a public IP address (without NAT)



<u>Provider</u>	<u>APN</u>
TDC	internet
TDC (4G/LTE)	internet-lte
3 Denmark	bredband.tre.dk
Oister	bredband.oister.dk
Telia	www.internet.mtelia.dk
Telenor	internet
M1	internet
M1 (for 4G)	internet-lt



<u>Provider</u>	<u>APN</u>
Elisa	internet
DNA	internet
Saunalahti	internet.saunalahti
Sonera	internet

Change IP address on the AirLink 3G

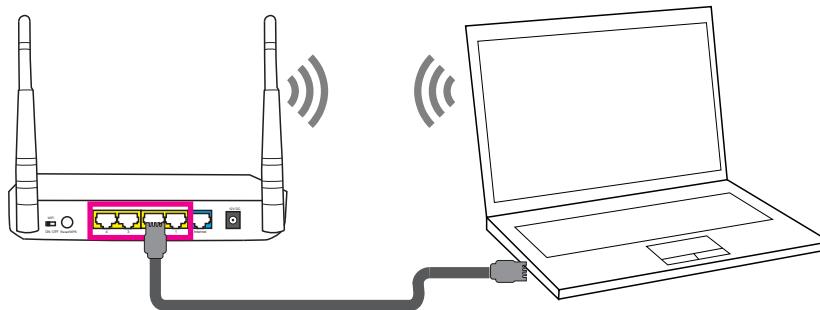
IMPORTANT!

The procedure on this page is only necessary to do
IF you have a modem that are marked with * on page 3-5

Some USB modems have a built-in WEB server which use the same IP address as AirLink 3G (192.168.0.1) and this makes the modem not working.

The solution to this is to change the IP address of the AirLink 3G to 192.168.2.1

1. Disconnect the USB modem from the USB port on the AirLink 3G
2. Connect your computer to the AirLink 3G by a network cable to port 1,2,3 or 4.

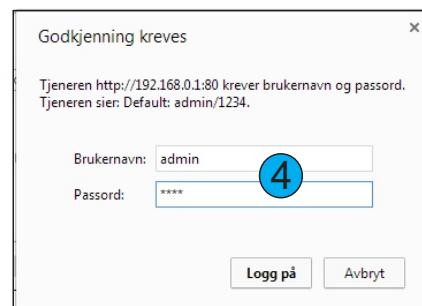
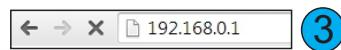


3. Log into the router menu by entering <http://192.168.0.1> in your WEB browser (e. g. Chrome)

4. Enter username and password.

Default username = **admin**

Default password = **1234**



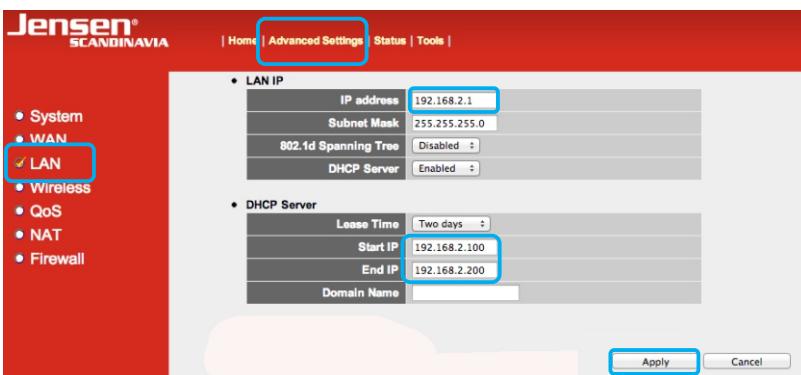
5. Click Advanced Settings -> LAN

Change the IP address to 192.168.2.1 (This will be the new IP address of your AirLink 3G from now on.)

Start IP = 192.168.2.100

End IP = 192.168.2.200

- * Click Apply -> OK
- * Then click Apply one more time.
- * Wait one minute



Important!

The IP address of your AirLink 3G has now been changed to <http://192.168.2.1> and this is the only IP address you can use in future when you need to logon to it.

6. The IP address of your AirLink 3G has now been changed. Please goto page 10 to setup your AirLink 3G.

Frequently Asked Questions

1. I can't get my new 3G/4G modem to work with my AirLink 3G!!

AirLink 3G do support most of the 3G/4G modems on the market (see complete list on page side 3-5). For the AirLink 3G to be able to connect to internet it's important that the firmware are upgraded to the latest version (page 6-9) and that it's been setup with the correct APN and PIN code.

2. My USB modem (3G/4G) is not in the list of supported modems!!

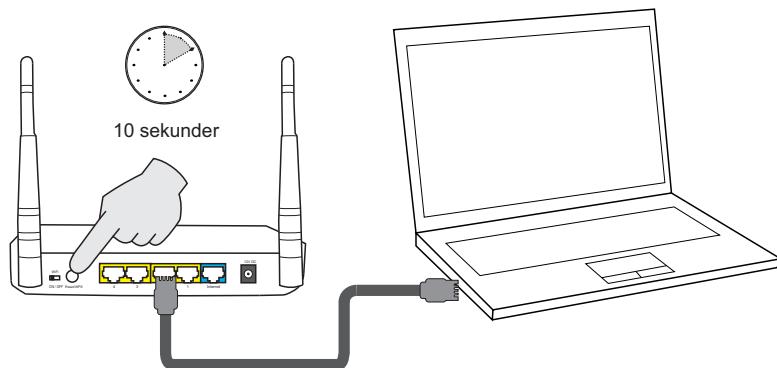
In most cases we are able to add support for new modem models by making new firmware version. To that we need the debug report sent to us. Please see page 13 about how you make the debug file.

3. I am not able to access AirLink 3G menu when using <http://192.168.0.1> !!

The computer you are using must be connected to AirLink 3G by either wireless or cable (port 1,2,3 or 4) in order for you to be able to login to the menu with <http://192.168.0.1>

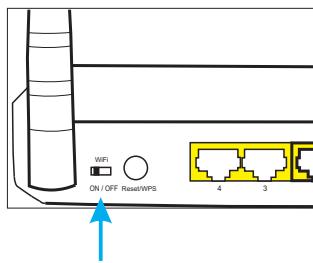
If your computer are properly connected and you still cannot access <http://192.168.0.1> we recommend you to factory reset the AirLink 3G by pressing RESET/WPS button for 10 seconds.

Then wait one minute and try accessing the menu again with <http://192.168.0.1>



4. I cannot see or connect to the AirLink 3G wireless network!

Please check that the backside switch on AirLink 3G marked RADIO ON/OFF is set to ON. If the WiFi LED on AirLink 3G front are flashing it means it is transmitting a wireless signal and you should be able to detect and connect to it.



5. How do I see which firmware version that are installed on my AirLink 3G?

- Connect your computer to AirLink 3G by wireless or cable (port 1,2,3 or 4)
- Login to the menu by entering <http://192.168.0.1> in a WEB browser (e.g. Chrome, Firefox etc.)
- Username = **admin** and Password = **1234**
- Click Status
- The firmware version are shown here:

